DCA41/GCA41 — ENTERPRISE JAVA PROGRAMMING

Time : Three hours　　　　　Maximum : 75 marks

PART A — (10 × 2 = 20 marks)

Answer ALL questions.

1. Write the purpose of Web.xml deployment descriptor.

2. State the role of an error-page Web-app Element.

3. List any two Framework roles of Java Server Faces.

4. What is the use of Java Server Face Core tag library?

5. Write the syntax of using Long Range Validator in Java Server page.

6. Differentiate between Custom converter and Validator.

7. What is meant by Session Bean?

8. Define one-to-many relationships.

9. How does the Java Messaging Service API work with the J2EE platform?

10. State the roles of JMS Message consumers.

PART B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) How can you declare and Map Custom URL's to Servlet or JSP pages? Explain.

Or

(b) Summarize the Web.xml elements to provide Security.

12. (a) Write the significances of Java Server Face Navigation model.

Or

(b) Explicate any five JSF Component tags.

13. (a) Enumerate the steps for creating a Custom Component.

Or

(b) Discuss about the attributes of Component tag that reference Backing Bean Methods.

14. (a) Write short notes on Message Driven Bean.

Or

(b) Briefly discuss the use of primary keys for Container Managed Persistence.

15. (a) Narrate the Java Messaging Service API programming model.

Or

(b) Write a simple example for Asynchronous Message Consumption in JMS.

PART C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Explicate the methods used for controlling the behaviour of Servlets and JSP pages.

17. Narrate the life cycle of Java Server Faces page.

18. Discuss about registering a Listener class on a Component.

19. Illustrate the concept of creating the Application Client.

20. How to use JMS API in a J2EE Application? Explain it with an example.

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